

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
 Data File : VW018389.D  
 Acq On : 19 Mar 2021 15:16  
 Operator : SY/VA  
 Sample : M1685-12  
 Misc : 6.03G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4G4

Quant Time: Mar 20 01:41:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 20 01:36:44 2021  
 Response via : Initial Calibration

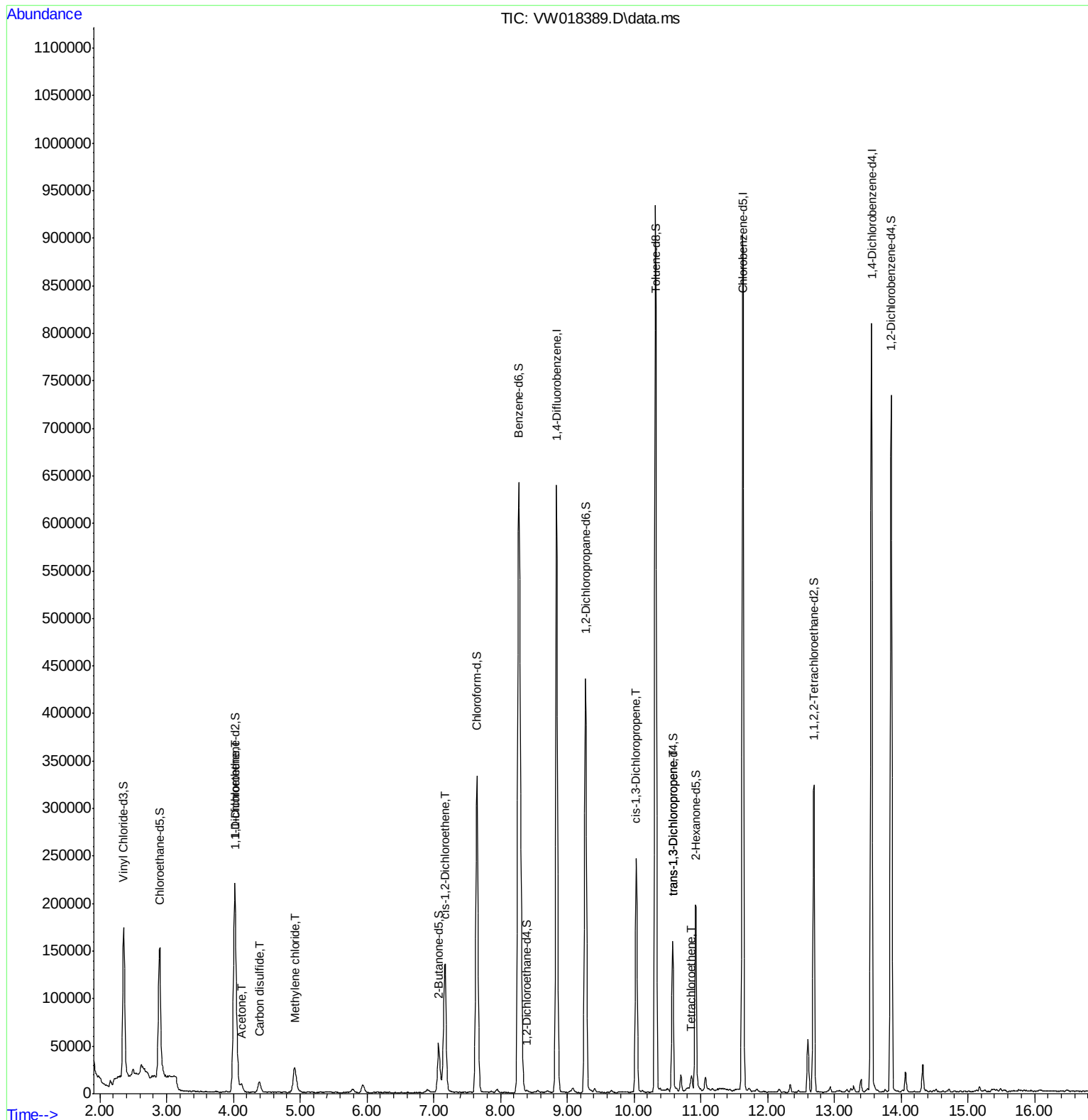
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 522906   | 25.00    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 470236   | 25.00    | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 201658   | 25.00    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 198424   | 27.27    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 109.08%  |
| 7) Chloroethane-d5            | 2.891  | 69    | 179853   | 28.24    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 112.96%  |
| 10) 1,1-Dichloroethene-d2     | 4.019  | 63    | 237201   | 18.88    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 75.52%   |
| 20) 2-Butanone-d5             | 7.074  | 46    | 83183    | 51.35    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 102.70%  |
| 24) Chloroform-d              | 7.647  | 84    | 333663   | 25.05    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 100.20%  |
| 26) 1,2-Dichloroethane-d4     | 8.396  | 65    | 316      | 0.04     | ug/L  | 0.09     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 0.16%#   |
| 29) Benzene-d6                | 8.275  | 84    | 652619   | 26.11    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 104.44%  |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67    | 190486   | 26.42    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 105.68%  |
| 37) Toluene-d8                | 10.323 | 98    | 608922   | 25.30    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 101.20%  |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79    | 86019    | 23.13    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 92.52%   |
| 39) 2-Hexanone-d5             | 10.920 | 63    | 70708    | 50.11    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 100.22%  |
| 48) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 157469   | 24.41    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 97.64%   |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 173698   | 24.23    | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 96.92%   |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 12) 1,1-Dichloroethene        | 4.025  | 96    | 2462     | 0.38     | ug/L  | # 1      |
| 13) Acetone                   | 4.123  | 43    | 13422    | 11.53    | ug/L  | 100      |
| 14) Carbon disulfide          | 4.391  | 76    | 19838    | 1.00     | ug/L  | 98       |
| 16) Methylene chloride        | 4.921  | 84    | 21949    | 2.56     | ug/L  | 87       |
| 22) cis-1,2-Dichloroethene    | 7.171  | 96    | 81141    | 10.65    | ug/L  | 96       |
| 42) cis-1,3-Dichloropropene   | 10.030 | 75    | 7056     | 0.63     | ug/L  | 88       |
| 45) trans-1,3-Dichloropropene | 10.579 | 75    | 4587     | 0.45     | ug/L  | 100      |
| 47) Tetrachloroethene         | 10.859 | 164   | 2770     | 0.48     | ug/L  | 89       |
| -----                         |        |       |          |          |       |          |

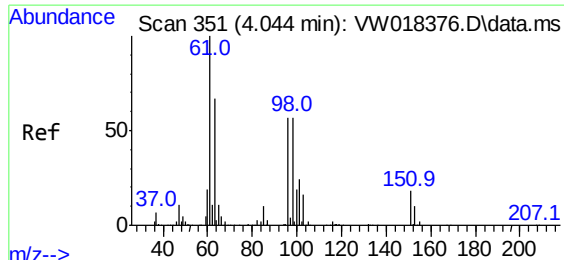
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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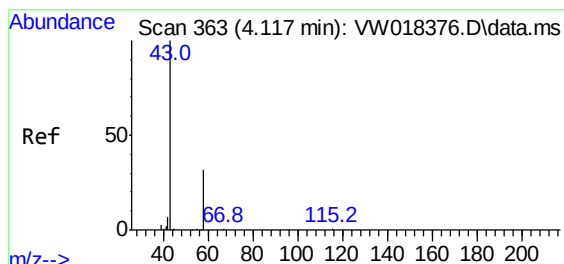
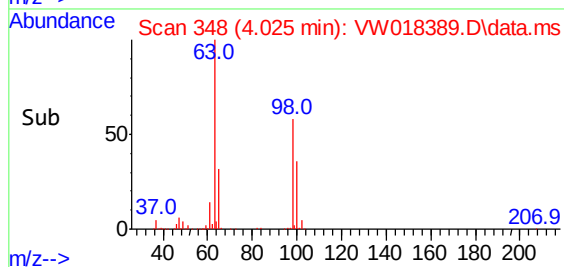
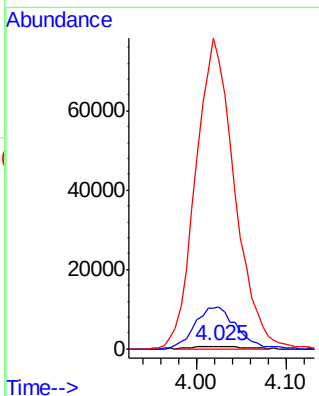
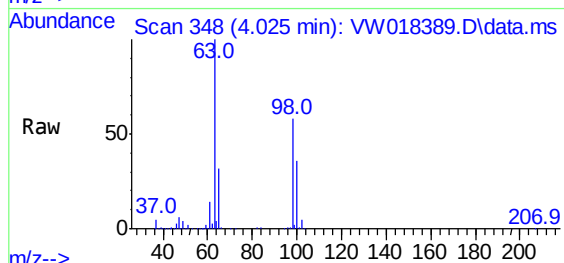




#12  
1,1-Dichloroethene  
Concen: 0.38 ug/L  
RT: 4.025 min Scan# 348  
Delta R.T. -0.018 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

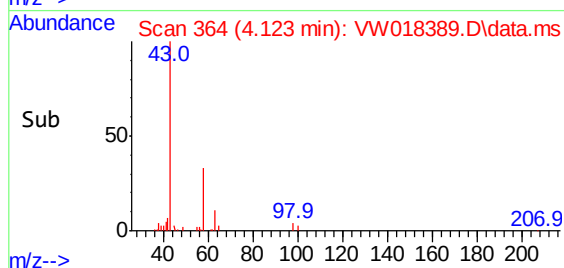
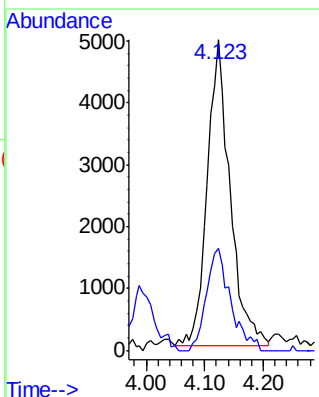
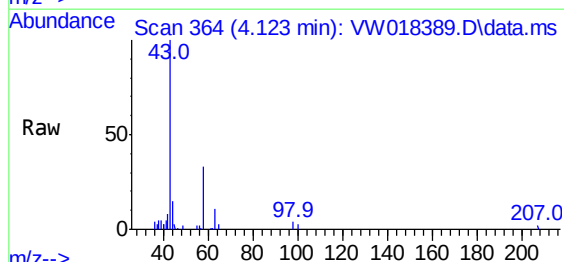
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4G4

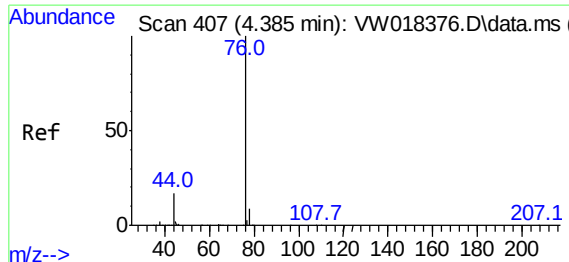
Tgt Ion: 96 Resp: 2462  
Ion Ratio Lower Upper  
96 100  
61 1483.7 118.6 220.2#  
63 10360.3 82.4 153.0#



#13  
Acetone  
Concen: 11.53 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

Tgt Ion: 43 Resp: 13422  
Ion Ratio Lower Upper  
43 100  
58 31.0 0.0 62.2

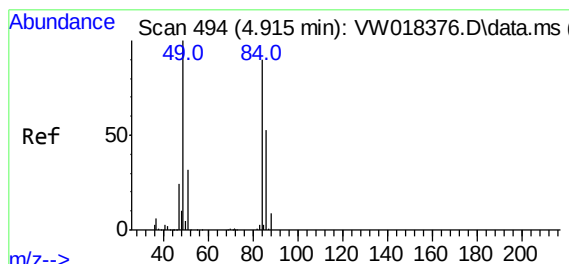
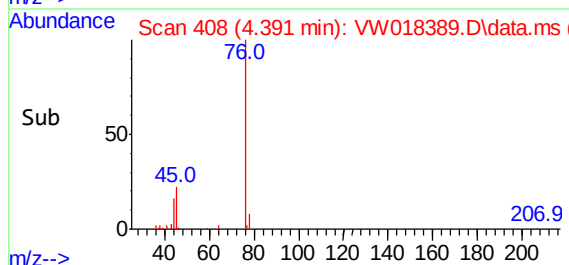
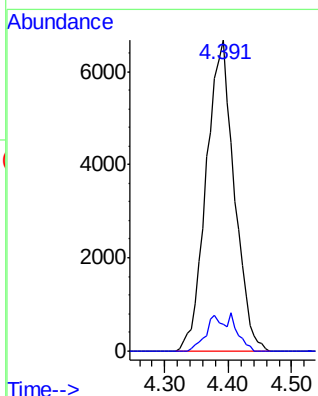
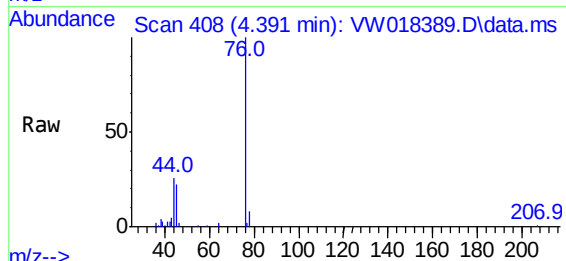




#14  
Carbon disulfide  
Concen: 1.00 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

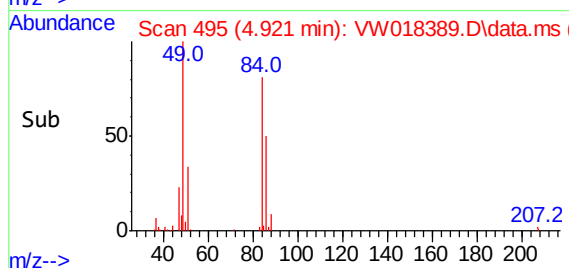
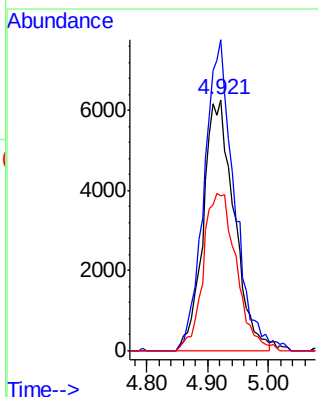
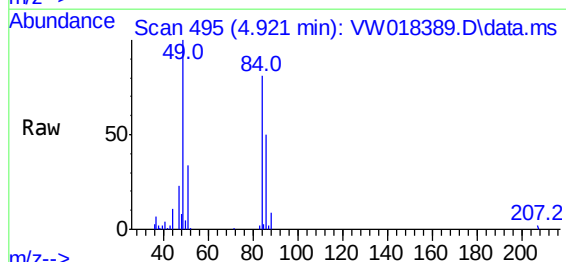
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4G4

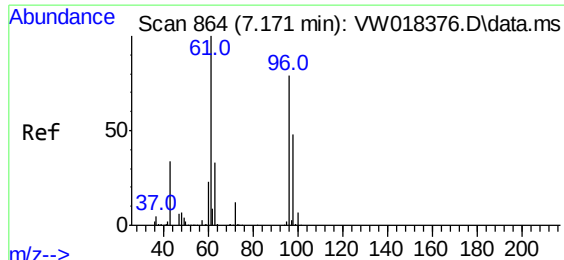
Tgt Ion: 76 Resp: 19838  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.4 11.2



#16  
Methylene chloride  
Concen: 2.56 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

Tgt Ion: 84 Resp: 21949  
Ion Ratio Lower Upper  
84 100  
49 123.9 74.4 138.2  
86 61.7 46.1 85.7

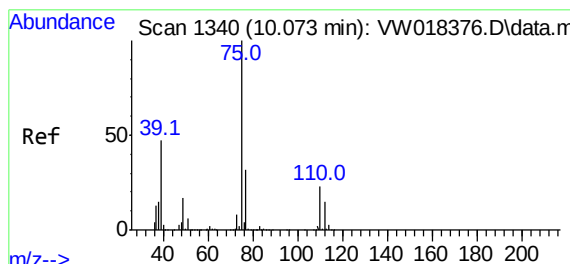
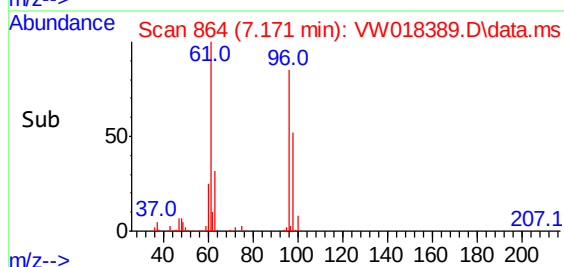
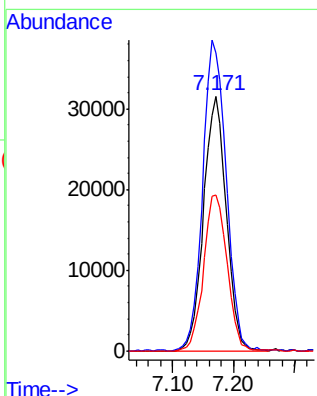
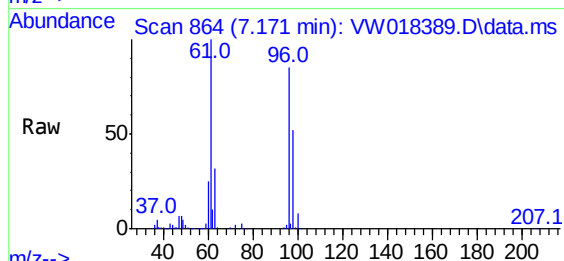




#22  
cis-1,2-Dichloroethene  
Concen: 10.65 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

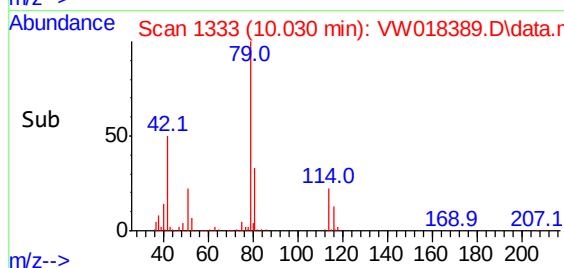
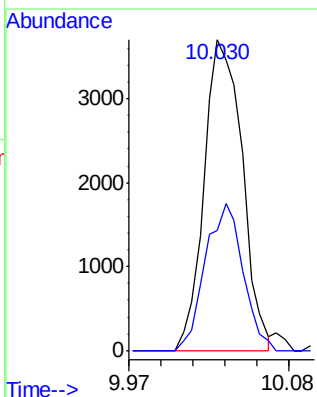
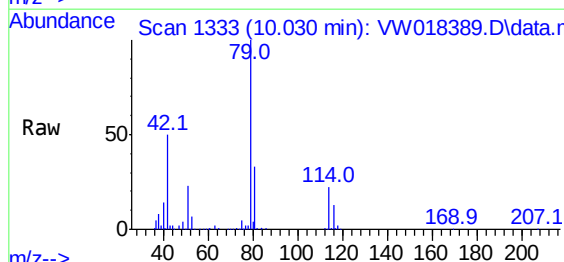
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4G4

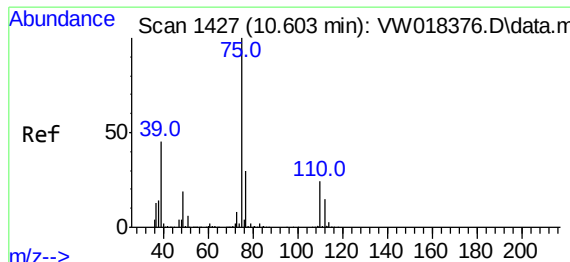
Tgt Ion: 96 Resp: 81141  
Ion Ratio Lower Upper  
96 100  
61 117.1 84.8 157.6  
98 61.2 45.1 83.9



#42  
cis-1,3-Dichloropropene  
Concen: 0.63 ug/L  
RT: 10.030 min Scan# 1333  
Delta R.T. -0.043 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

Tgt Ion: 75 Resp: 7056  
Ion Ratio Lower Upper  
75 100  
77 38.4 22.4 41.6

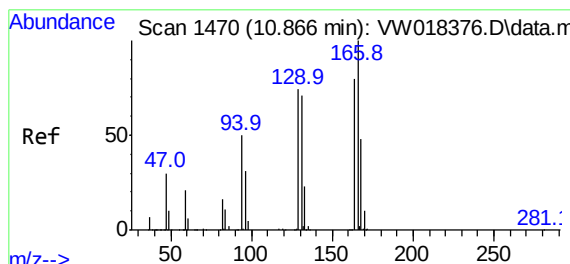
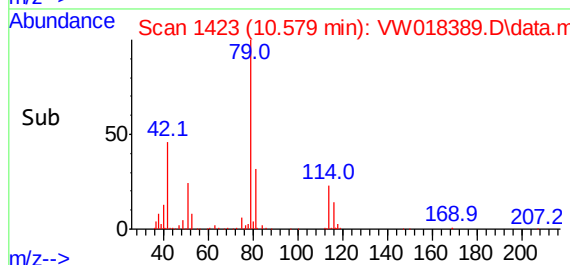
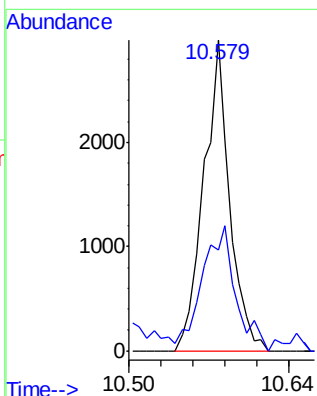
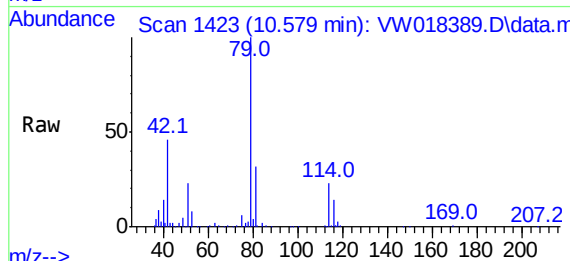




#45  
trans-1,3-Dichloropropene  
Concen: 0.45 ug/L  
RT: 10.579 min Scan# 1423  
Delta R.T. -0.024 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

Instrument :  
MSVOA\_W  
ClientSampled :  
BG4G4

Tgt Ion: 75 Resp: 4587  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.6 42.0



#47  
Tetrachloroethene  
Concen: 0.48 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW018389.D  
Acq: 19 Mar 2021 15:16

Tgt Ion: 164 Resp: 2770  
Ion Ratio Lower Upper  
164 100  
129 78.7 68.8 127.8  
131 87.0 68.3 126.8  
166 131.1 95.4 177.2

